

Title (en)  
HIGH FLOW TPO COMPOSITION WITH EXCELLENT LOW TEMPERATURE IMPACT

Title (de)  
TPO-ZUSAMMENSETZUNG MIT HOHER DURCHFLUSSRATE MIT HERVORRAGENDER SCHLAGFESTIGKEIT BEI NIEDRIGER TEMPERATUR

Title (fr)  
COMPOSITION DE TPO À FLUX ÉLEVÉ AVEC UNE EXCELLENTE RÉSISTANCE AUX CHOCS À BASSE TEMPÉRATURE

Publication  
**EP 3377575 B1 20190807 (EN)**

Application  
**EP 16797576 A 20161117**

Priority  
• EP 15194956 A 20151117  
• EP 2016078025 W 20161117

Abstract (en)  
[origin: WO2017085195A1] The present invention is directed to a heterophasic propylene copolymer (HECO), a polyolefin composition (PO) comprising the heterophasic propylene copolymer (HECO), an automotive article comprising the heterophasic propylene copolymer (HECO) and/or the polyolefin composition (PO) and a process for the preparation of the polyolefin composition (PO) as well as the use of the heterophasic propylene copolymer (HECO) for improving the mechanical properties of a polyolefin composition (PO).

IPC 8 full level  
**C08F 2/00** (2006.01); **C08F 210/06** (2006.01); **C08K 3/34** (2006.01); **C08L 23/12** (2006.01); **C08L 23/16** (2006.01)

CPC (source: EP RU US)  
**C08F 2/001** (2013.01 - US); **C08F 210/06** (2013.01 - US); **C08K 3/34** (2013.01 - EP US); **C08L 23/12** (2013.01 - EP RU US); **C08L 23/16** (2013.01 - EP RU US); **C08F 2500/12** (2013.01 - US); **C08F 2500/17** (2013.01 - US); **C08L 2205/24** (2013.01 - EP US); **C08L 2207/02** (2013.01 - EP US); **C08L 2308/00** (2013.01 - EP US); **C08L 2314/02** (2013.01 - EP US)

Citation (opposition)  
Opponent : TOTAL RESEARCH & TECHNOLOGY FELUY,  
• US 6759475 B2 20040706 - SAKAI IKUNORI [JP], et al  
• WO 2012025584 A1 20120301 - BOREALIS AG [AT], et al  
• EP 3170864 B1 20181017 - BOREALIS AG [AT]  
• WO 2016005301 A1 20160114 - BOREALIS AG [AT]  
• WO 2013150057 A1 20131010 - BOREALIS AG [AT]  
• EP 2275485 A1 20110119 - BOREALIS AG [AT]  
• WO 2013010879 A1 20130124 - BOREALIS AG [AT], et al  
• WO 2009077034 A1 20090625 - BOREALIS TECH OY [FI], et al  
• WO 9219653 A1 19921112 - NESTE OY [FI]  
• EP 3170864 B1 20181017 - BOREALIS AG [AT]  
• WO 2015024891 A1 20150226 - BOREALIS AG [AT]  
• GREIN ET AL.: "Impact Modified Isotactic Polypropylene with Controlled Rubber Intrinsic Viscosities: Some New Aspects About Morphology and Fracture", JOURNAL OF APPLIED POLYMER SCIENCE, vol. 87, 2003, pages 1702 - 1712, XP055169112, DOI: 10.1002/app.11696

Cited by  
EP3985065A1; WO2020208200A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2017085195 A1 20170526**; BR 112018009066 A2 20181030; BR 112018009066 A8 20190226; BR 112018009066 B1 20220303; CA 3004383 A1 20170526; CA 3004383 C 20200721; CN 108350241 A 20180731; CN 108350241 B 20201204; EP 3377575 A1 20180926; EP 3377575 B1 20190807; ES 2745705 T3 20200303; MX 2018005664 A 20180801; MX 365523 B 20190606; RU 2704136 C1 20191024; US 10155828 B2 20181218; US 2018319915 A1 20181108; ZA 201802570 B 20181219

DOCDB simple family (application)  
**EP 2016078025 W 20161117**; BR 112018009066 A 20161117; CA 3004383 A 20161117; CN 201680064627 A 20161117; EP 16797576 A 20161117; ES 16797576 T 20161117; MX 2018005664 A 20161117; RU 2018120192 A 20161117; US 201615772414 A 20161117; ZA 201802570 A 20180418